

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : **2001-290977**

(43)Date of publication of application : **19.10.2001**

(51)Int.CI.

**G06F 17/60**

**G06F 17/50**

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(30)Priority

Priority number : **2000 200017189**    Priority date : **01.04.2000**    Priority country : **KR**

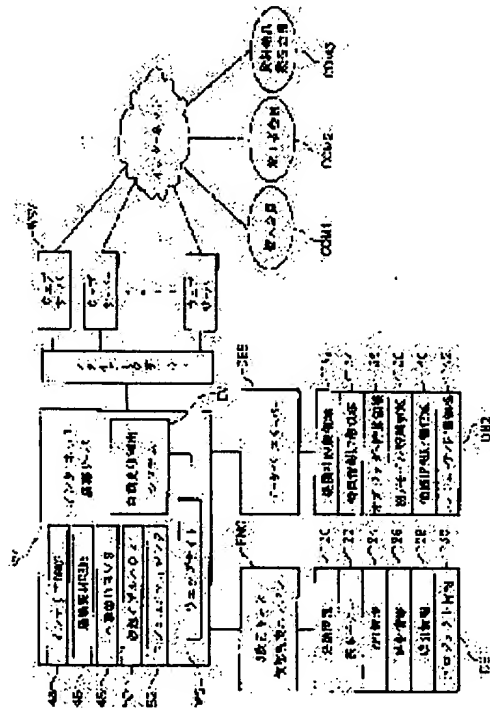
**(54) ELECTRONIC COMMERCIAL TRANSACTION METHOD USING CAD  
VIRTUAL REALITY SYSTEM AND METHOD AND SYSTEM FOR  
ELECTRONIC COMMERCIAL TRANSACTION**

**(57)Abstract:**

**PROBLEM TO BE SOLVED:** To realize the presentation and navigation of CAD data on the Internet web.

**SOLUTION:** Plural building and design enterprises or the like are reserved as members. A user uses a CAD virtual reality system on a web site to perform input and virtual reality design of a three-dimensional CAD figure related to a prescribed commodity and performs presentation online in real time. An estimate price for these CAD figure data and virtual reality design data of the prescribed commodity is calculated, and the price for the commodity arbitrarily presented from the user is set. In accordance with the estimate price and the price for the commodity presented from the user, the commodity is put up to auction by respective fields of the commodity with members of building, design, interior design, execution, material supply enterprises as the

object. When trade of the commodity is successful at auction, services are provided to the user from members as successful bidders by fields.



## LEGAL STATUS

[Date of request for examination] 20.10.2000

[Date of sending the examiner's decision of rejection] 30.06.2003

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

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## CLAIMS

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[Claim(s)]

[Claim 1] Two or more companies which perform at least one of construction, a design, an interior, construction, and the materials supplies are registered as a member company. Are the electronic commerce dealings approach of mediating or managing the dealings and the contract of goods to each field according to the estimated request from a user, and the CAD-virtual reality system on a website is used. The phase of performing the input and virtual reality design of a three-dimension CAD Fig. to goods to a user, Based on the CAD Fig. data and virtual reality data which were inputted using this CAD-virtual reality system, a presentation is performed on real time on online. The phase of setting up the price of said goods which deduced the estimated value of said goods based on the CAD Fig. data and virtual reality design data of goods by which the presentation was carried out, and arbitration was shown from the user, The phase of setting about auction acquisition length according to each field of goods according to the price of the goods presented by said estimated value and user for the member company of the company which performs at least one of said construction, a design, an interior, construction, and the materials supplies, The electronic commerce dealings approach of having used for the user the CAD-virtual reality system characterized by having the phase of advancing

service according to a field from the knocked-down member shrine when auction acquisition length of said goods was realized.

[Claim 2] The phase of performing said CAD Fig. input and a virtual reality design is the electronic commerce dealings approach according to claim 1 characterized by including the phase of making it connecting with the CAD-virtual reality system on a website at coincidence, and carrying out the joint design of the CAD Fig. and virtual reality design of the same goods, to two or more users.

[Claim 3] Furthermore, the electronic commerce dealings approach of having used the CAD-virtual reality system according to claim 2 characterized by including the phase of making the business of the CAD Fig. and virtual reality design which should be carried out a joint design arranging, to two or more users through the alphabetic character and voice chatting using the chatting system built on the website.

[Claim 4] The phase of performing said CAD Fig. input and a virtual reality design With furthermore, the other users by whom the activity situation of said CAD Fig. and virtual reality design by which a joint design is carried out was connected to the applicable website The electronic commerce dealings approach of having used for real time on online the CAD-virtual reality system according to claim 2 characterized by including the phase whose perusal is enabled to the member company of the company which performs at least one of construction, a design and an interior, construction, and the materials supplies.

[Claim 5] The phase of performing said CAD Fig. input and a virtual reality design is the electronic commerce dealings approach of having used the CAD-virtual reality system according to claim 1 characterized by including further the phase of storing the CAD Fig. and virtual reality design data which were created using said CAD-virtual reality system in a user's personal database generated by the member.

[Claim 6] The phase of deducing enforcement and the estimated value of said real time presentation is the electronic commerce dealings approach of having judged whether it having been the amount of money which the price of the goods presented by said estimated value and user balances, and having used the CAD-virtual reality system according to claim 1 characterized by including further the phase of changing correction and virtual reality design of an applicable CAD Fig., and performing a real time presentation if not balanced.

[Claim 7] The phase of setting about auction acquisition length according to each field of said goods The phase which juts out over the \*\*\*\*\* notice plate on online the price information, the CAD Fig., and virtual reality design data of the estimated value by which deduction was carried out [ aforementioned ], and the goods presented by the user, The phase of showing said \*\*\*\*\* notice plate the deadline time limit and the price limit line of \*\*\*\*\* , The electronic commerce dealings approach of having used the CAD-virtual reality system according to claim 6 characterized by including further the phase of competing for \*\*\*\*\* at two or more company member companies with reference to the presentation price of said estimated value and goods, the \*\*\*\*\* deadline time limit, and a price limit line.

[Claim 8] The phase of competing for \*\*\*\*\* at said two or more company member companies is the electronic commerce dealings approach of having used the CAD-virtual reality system according to claim 7 characterized by including further the phase where said two or more member companies make dealings arrange through the member

company, the alphabetic character, and voice chatting of a user or others using the chatting system built on the website.

[Claim 9] The electronic commerce dealings approach of having used the CAD-virtual reality system according to claim 7 characterized by including further the phase of correcting and showing extension of the deadline time limit of \*\*\*\*\*, and a price limit line if dealings are not realized within the deadline time limit of said \*\*\*\*\*.

[Claim 10] The electronic commerce dealings approach of having used the CAD-virtual reality system according to claim 1 characterized by being applied to the CAD Fig. input about an interior and an exterior field and a virtual reality design, and a real time presentation and the dealings process of \*\*\*\*\*.

[Claim 11] The electronic commerce dealings approach of having used the CAD-virtual reality system according to claim 1 characterized by being applied to the CAD Fig. input about the construction field using construction materials and a virtual reality design, and a real time presentation and the dealings process of \*\*\*\*\*.

[Claim 12] The electronic commerce dealings approach of having used the CAD-virtual reality system according to claim 1 characterized by being applied to the CAD Fig. input for dealing in real estate and a virtual reality design, and a real time presentation and the dealings process of \*\*\*\*\*.

[Claim 13] The electronic commerce dealings approach of having used the CAD-virtual reality system on the Internet according to claim 1 characterized by being applied to a CAD Fig. input and a virtual reality design, and the real time presentation and sale-in-lots dealings process of a virtual model house for selling a model house in lots.

[Claim 14] It is the electronic commerce dealings approach on the Internet which mediates dealings and the contract of goods according to the estimated request from a user. Register a member company beforehand and the input and virtual reality design of a three-dimension CAD Fig. to goods are made to perform to a user on a website. It is based on said CAD Fig. data and virtual reality data which were inputted. On online a presentation \*\*\*\*\*, The electronic commerce dealings approach on the Internet characterized by computing estimated value to the CAD Fig. data and virtual reality design data of predetermined goods by which the presentation was carried out, and covering said goods over auction for said member company according to said estimated value.

[Claim 15] The CAD-virtual reality system to which are the electronic commerce dealings system which mediates dealings and the contract of goods according to the estimated request from a user, and the input and virtual reality design of a three-dimension CAD Fig. of goods are made to perform on a website, The presentation section to which the presentation of the CAD Fig. data and virtual reality data which were inputted using this CAD-virtual reality system is carried out on online, The estimated section which computes the bid price of said goods based on the CAD Fig. data and virtual reality data which were inputted using said CAD-virtual reality system, The electronic commerce system characterized by matching and displaying said bid price computed by a preparation and said estimated section on the goods in which the presentation was carried out by said presentation section.